

# Abbreviation Index

## A

AAL: ATM Adaptive Layer  
 ABE: Always Best Experience  
 AC: Access Control  
 ACL: Activated Codec Lists  
 ADSL: Asymmetric Digital Subscriber Line  
 ADSLAM: Asymmetrical Digital Subscriber Line Access Multiplexer  
 AF: Application Function  
 AG: Access Gateway  
 AGCF: Access Gateway Control Function  
 AMF: Access Management Function  
 AM-FE: Access Management Functional Entity  
 AMR: Adaptive Multi-rate Encoding  
 AN: Access Network  
 AN: Access Node  
 ANI: Application Network Interface  
 AP: Access Point  
 API: Application Programming Interface  
 APM: Application Propagation Message  
 A-RACF: Access Resource and Admission Control Function  
 ARF: Access Relay Function  
 AR-FE: Access Relay Functional Entity  
 AS: Application Server  
 ATIS: Alliance for Telecommunications Industry Solutions  
 ATM: Asynchronous Transfer Mode

## B

BGCF: Breakout Gateway Control Function  
 BGF: Border Gateway Function  
 BICC: Bearer Independent Call Control  
 BNG: Broadband Network Gateway  
 BRAS: Broadband Remote Access Service  
 BSSID: Basic Service Set Identifier

## C

CATR: China Academy of

Telecommunication Research  
 C-BGF: Core Border Gateway Function  
 CCSA: China Communications Standards Association  
 CE: Consumer Electronics  
 CLF: Connectivity Session Location and Repository Function  
 CN: Core Network  
 CNG: Customer Network Gateway  
 CNGCF: Customer Network Gateway Configuration Function  
 CPE: Customer Premises Equipment  
 CRBT: Color Ring Back Tone  
 CS: Circuit Switching  
 CSCF: Call State Control Function  
 CSI: Circuit Switching and IMS Integrated Services

## D

DHCP: Dynamic Host Configuration Protocol  
 DHWG: Digital Home Working Group  
 DLNA: Digital Living Network Alliance  
 DNS: Domain Name Servers  
 DOS: Deny of Service  
 DRM: Digital Rights Management  
 DS: Distributed System  
 DSAI: Dynamic Service Activation Information  
 DSL: Digital Subscriber Line  
 DVB: Digital Video Broadcasting  
 DVB-H: Digital Video Broadcasting-Handheld  
 DVB-T: Digital Video Broadcasting-Terrestrial

## E

EMC: Electromagnetic Compatibility  
 ESS: Extended Service Set  
 ETSI: European Telecommunications Standards Institute  
 EU: European Union  
 EUTE: End User Terminal Entity

## F

FBI: Fixed Broadband Access to IMS  
 FE: Functional Entity  
 FGNGN: Focus Group on Next Generation Network  
 FMC: Fixed Mobile Convergence  
 FP6: Sixth Framework Program  
 FPE: Functional Processing Entity  
 FTP: File Transfer Protocol

## G

GGSN: Gateway GPRS Support Node  
 GMLC: Gateway Mobile Location Center  
 GPRS: General Packet Radio Service  
 GSM: Global System for Mobile Communications  
 GW: Gateway

## H

HCE: Home Core Entity  
 HFC: Hybrid Fiber Coaxial  
 HGW: Home Gateway  
 HGWC-FE: Home Gateway Configuration Functional Entity  
 HLR: Home Location Register  
 HPNA: Home Phoneline Networking Alliance  
 HSS: Home Subscriber Server  
 HTTP: Hypertext Transfer Protocol

## I

IAPP: Inter-Access Point Protocol  
 I-BGF: Interconnect Border Gateway Function  
 ICC: International Code Council  
 ICP: Internet Content Provider  
 I-CSCF: Inquiry-Call Session Control Function  
 IGMP: Internet Group Management Protocol  
 IGRS: Intelligent Grouping and Resource Sharing  
 IGW: Interconnection Gateway

# Abbreviation Index

IMS: IP Multimedia Subsystem  
 IMSI: International Mobile Subscriber Identity  
 IN: Intelligent Network  
 INAP: Intelligent Network Application Protocol  
 IP-CAN: IP-Connectivity Access Network  
 IPDC: IP Data Casting  
 IPE: In-path Equipment  
 IPoA: IP over Asynchronous Transfer Mode  
 IPoE: IP over Ethernet  
 ISC: IMS Service Control  
 I/S-CSCF: Interrogate/Service-Call Session Control Function  
 ISDB-T: Integrated Services Digital Broadcasting-Terrestrial  
 ISDN: Integrated Service Digital Network  
 IST: Information Society Technology  
 ISUP: ISDN User Part  
 ITU-T: International Telecommunication Union Telecommunication Standardization Sector  
 IuUP: Iu Interface User Plain

## J

JCA-HN: Joint Coordination Activity on Home Networking

## L

L2TF: Layer 2 Termination Function  
 LAN: Local Area Network  
 LCP: Link Control Protocol  
 LS: Local Switch

## M

MAC: Medium Access Control  
 MAN: Metropolitan Area Network  
 MAP: Mobile Application Protocol  
 MFHO: Manageable Fast Handover  
 MGW: Medium Gateway  
 MII: Ministry of Information Industry

MMS: Multimedia Message Service  
 MS: Mobile Station  
 MSAG: Multiservice Access Gateway  
 MSC: Mobile Switching Center  
 MUSE: Mobile Ubiquitous Service Environment

## N

NACF: Network Attachment Control Functions  
 NAC-FE: Network Access Control Functional Entity  
 NAE: Network Access Entity  
 NAPT: Network Address Port Translation  
 NASS: Network Attachment Subsystem  
 NAT: Network Address Translator  
 NAT-T: NAT Traversal  
 NbUP: Nb Interface User Plain  
 NCP: Network Control Protocol  
 NGI: Next Generation Internet  
 NGN: Next Generation Network  
 NGN-GSI: Next Generation Network Global Standards Initiative  
 NNI: Network Network Interface  
 NSE: Network Service Environment

## O

OLT: Optical Line Terminal  
 O-MGW: Originating Medium Gateway  
 O-MSC: Originating Mobile Switching Center  
 ONLY: One Number Links You  
 ONU: Optical Network Unit  
 OoBTC: Out-of-band Transcoder Control  
 OSA: Open Service Access

## P

PADI: PPPoE Active Discovery Initiation  
 PADO: PPPoE Active Discovery Offer  
 PADR: PPPoE Active Discovery Request  
 PADS: PPPoE Active Discovery Session-confirmation

PAN: Personal Area Network  
 PCC: Policy and Charging Control  
 PCM: Pulse Code Modulation  
 P-CSCF: Proxy-Call Session Control Function  
 PDBF: Profile Database Function  
 PD-FE: Policy Decision Functional Entity  
 PE-FE: Policy Enforcement Functional Entity  
 PES: PSTN Emulation Subsystem  
 PESQ: Perceptual Evaluation of Speech Quality  
 PHS: Personal Handy-phone System  
 PLC: Power Line Communications  
 PLMN: Public Land Mobile Network  
 PN: Personal Network  
 PoC: Push-to-talk over Cellular  
 PON: Passive Optical Network  
 PPPoA: Point-to-Point Protocol over Asynchronous Transfer Mode  
 PPPoE: Point-to-Point Protocol over Ethernet  
 PS: Packet Switching  
 PSS: PSTN Simulation Service  
 PSTN: Public Switched Telephony Network

## Q

QoS: Quality of Service

## R

RAC: Resource and Admission Control  
 RACF: Resource and Admission Control Functions  
 RACS: Resource and Admission Control Subsystem  
 RANAP: Radio Access Network Application Part  
 RCEF: Resource Control Enforcement Function  
 RNC: Radio Network Controller  
 RSVP: Resource Reservation Protocol

# Abbreviation Index

RTP: Real-time Transport Protocol  
 RTCP: Real-time Transport Control Protocol

## S

SCF: Service Control Function  
 SCL: Supported Codec Lists  
 SCP: Service Control Point  
 S-CSCF: Serving-Call Session Control Function  
 SDP: Service Data Point  
 SDR: Software Define Radio  
 SG: Signaling Gateway  
 SGSN/GGSN: Service General Packet Radio Service Support Node/Gate General Packet Radio Service Support Node  
 SHLR: Smart Home Location Register  
 SIP: Session Initiation Protocol  
 SLA: Service Level Agreement  
 SLF: Subscription Locator Function  
 SMP: Service Management Point  
 SMS: Short Message Service  
 SNMP: Simple Network Management Protocol  
 SPAN: Services and Protocols for Advanced Networks  
 SPDF: Service-based Policy Decision Function  
 SS: Soft Switch  
 SSF: Service Switching Function  
 STA: Station  
 STB: Set Top Box

## T

TAA-FE: Transport Authentication and

Authorization Functional Entity  
 TC: Transcoder  
 TCP: Transmission Control Protocol  
 TDM: Time Division Multiplexing  
 T-DMB: Terrestrial-Digital Multimedia Broadcasting  
 TE: Terminal Equipment  
 TFO: Tandem Free Operation  
 TFTP: Trivial File Transfer Protocol  
 TG: Tandem Gateway  
 TIPHON: Telecommunications and Internet Protocol Harmonization over Networks  
 TISPAN: Telecommunication and Internet converged Services and Protocols for Advanced Networks  
 TLM-FE: Transport Location Management Functional Entity  
 T-MGW: Terminating Medium Gateway  
 T-MSC: Terminating Mobile Switching Center  
 TN: Transaction Server  
 T-net: Time Slot Switching Network  
 TO: Tandem Operations  
 TRC-FE: Transport Resource Control Functional Entity  
 TRE-FE: Transport Resource Enforcement Functional Entity  
 TrFO: Transcoder Free Operation  
 TSE: Terminal Service Environment  
 TUP-FE: Transport User Profile Functional Entity

## U

UAAF: User Access Authorization Function

UDP: User Datagram Protocol  
 UE: User Equipment  
 UI: User Interface  
 UID: User ID  
 UMTS: Universal Mobile Telecommunications System  
 UNI: User Network Interface  
 UPnP: Universal Plug and Play  
 UPSF: User Profile Server Function  
 URI: Uniform Resource Identifier  
 UTRAN: Universal Terrestrial Radio Access Network

## V

VAN: Vehicle Area Network  
 VAS: Value Added Services  
 VBAS: Virtual Broadband Access Server  
 VC: Virtual Channel  
 VCC: Voice Call Continuity  
 VLAN: Virtual Local Area Network  
 VLR: Visitor Location Register  
 VMAC: Virtual Media Access Control  
 VOD: Video on Demand  
 VoIP: Voice over IP  
 VPN: Virtual Private Network

## W

WAC: Wide Area Centrex  
 WAN: Wide Area Network  
 WCDMA: Wideband Code Division Multiple Access  
 WiMAX: Worldwide Interoperability for Microwave Access  
 WLAN: Wireless Local Area Network  
 WPAN: Wireless Personal Area Network  
 WWRF: World Wireless Research Forum